OIPE

```
DATE: 01/15/2002
                     RAW SEQUENCE LISTING
                                                              TIME: 07:55:35
                     PATENT APPLICATION: US/10/029,413
                                                                         Does Not Comply
                                                                     Corrected Diskette Needec
                     Input Set : A:\ES.txt
                     Output Set: N:\CRF3\01152002\J029413.raw
      3 <110> APPLICANT: Malouf, Nadia
              Nichols, Timothy
      6 <120> TITLE OF INVENTION: Purified and Isolated Platelet Calcium Channel Nucleic Acids
              Polypeptides and Therapeutic and Screening Methods Using Same
and
      9 <130> FILE REFERENCE: 421/29
-> 11 <140> CURRENT APPLICATION NUMBER: US/10/029,413
-> 11 <141> CURRENT FILING DATE: 2001-12-20
     11 <160> NUMBER OF SEQ ID NOS: 29
     13 <170> SOFTWARE: PatentIn version 3.0
ERRORED SEQUENCES
                                                  pr 1-2,4
     2714 <210> SEQ ID NO: 10
     2715 <211> LENGTH: 1338
     2716 <212> TYPE: PRT
     2717 <213> ORGANISM: Homo sapiens
     2719 <400> SEQUENCE: 10
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                                                                                Jee item 9
on Evor
Summary
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                                           25
     2726
E--> 2729 Ala Lys Leu(Xaa)Ile Asp Glu Xaa Glu Ser Asn Val Asn Glu Val Lys
                   35
     2733 Asp Pro Tyr Pro Ser Ala Asp Phe Pro Gly Asp Asp Glu Glu Asp Glu
     2737 Pro Glu Ile Pro Leu Ser Pro Arg Pro Arg Pro Leu Ala Glu Leu Gln
                                                    75
                               70
      2738 65
      2741 Leu Lys Glu Lys Ala Val Pro Ile Pro Glu Ala Ser Ser Phe Phe Ile
      2745 Phe Ser Pro Thr Asn Lys Ile Arg Val Leu Cys His Arg Ile Val Asn
                                            105
                       100
      2749 Ala Thr Trp Phe Thr Asn Phe Ile Leu Leu Phe Ile Leu Leu Ser Ser
                                                             125
                                        120
                   115
      2753 Ala Ala Leu Ala Ala Glu Asp Pro Ile Arg Ala Asp Ser Met Arg Asn
                                    135
      2757 Gln Ile Leu Lys His Phe Asp Ile Gly Phe Thr Ser Val Phe Thr Val
                                                    155
                                150
      2758 145
      2761 Glu Ile Val Leu Lys Met Thr Thr Tyr Gly Ala Phe Leu His Lys Gly
                                                170
                            165
      2765 Ser Phe Cys Arg Asn Tyr Phe Asn Met Leu Asp Leu Leu Val Val Ala
      2762
                                                                 190
                                            185
                        180
      2769 Val Ser Leu Ile Ser Met Gly Leu Glu Ser Ser Ala Ile Ser Val Val
                                        200
                    195
      2773 Lys Ile Leu Arg Val Leu Arg Val Leu Arg Pro Leu Arg Ala Ile Asn
```

220

215 E--> 2777 Arg Ala Lys Gly Leu Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa RAW SEQUENCE LISTING PATENT APPLICATION: US/10/029,413 DATE: 01/15/2002 TIME: 07:55:36

Input Set : A:\ES.txt

				0	utpu	L SE											
							20					235					240
	2778	225					230		V	Vaa	Yaa	Yaa	Xaa	Xaa	Xaa	Xaa	Xaa
E>	2778 2 781	Xaa	Xaa	Xaa	Xaa	Xaa	xaa .	хаа	Add	лаа	250	Auu				255	
E>	2782 2785	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	xaa	Xdd	265	Add	Auu	21.00.00		270		
E>	2786 2789	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	xaa	Xaa	хаа	Add	Adu	285	1000		
E>	2790 2793	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	хаа	Xaa	Ada	300	Auu	1144	••••	
E>	2794 2797	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	хаа	Xdd	лаа	лаа	Auu		320
E>	2798 280 1	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	нта	AIG	335	-1-
	2808					325					-330		-1-	a 1	T 011	7 ra	Hig
	280 % 2805	Tvr	Tyr	Val	Tyr	Lys	Asp	Gly	Asp	Pro	Met	GIn	тте	GIU	350	AIG	1110
	2806 2809	Ara	Glu	Trp	Val	His	Ser	Asp	Phe	His	Phe	Asp	Asn	vai	теп	ser	ALU
	2810 2813	Met	Met	Ser	Leu	Phe	Thr	Va1	Ser	Thr	Phe	Glu	GLY	Trp	Pro	GIII	пеп
	2814 2817	T.eu	Tvr	Lvs	Ala	Ile	Asp	Ser	Asn	Ala	Glu	Asp	Val	GIŸ	Pro	TTE	100
	2818 2821	Δen	Agn	Ara	Val	Glu	Met	Ala	Ile	Phe	Phe	Ile	Ile	Tyr	11e	116	Leu
	2822 2825	т1о	Δla	Phe	Phe	Met	Met	Asn	Ile	Phe	. Val	Gly	Phe	Val	Ile	vaı	Thr
	2826 2829	Dha	Gln	Glu	Gln	Glv	Glu	Thr	Glu	Tyr	Lys	Asn	Cys	Glu	Leu	. Asp	ьуs
	2030	N a n	Cln	Δra	Glr	CVS	Val	Gln	Tyr	Ala	Leu	Lys	Ala	Arg	Pro	Leu	Arg
	2034	Crrc	4.70 Trrr	· т1=	Dro	LVS	Asn	Pro	Tyr	Glr	ı Tyr	Gln	. Val	Trp	туг	: Ile	Val 480
	2838	# 400 mb*	, 	. Car	- ጥህነ	c Phe	Glu	Tyr	Leu	ı Met	. Phe	Ala	Lev	ı Ile	e Met	Leu	Asn
	2042	m ba	. т1 <i>с</i>	\ Cvc	2 T.Q1	ıGlv	Met	Glr	His	з Ту	r Ası	ı Glr	se:	c Glu	ı Glr	n Met	Asn
	2840) \ TT== c	ъ т17	S 601	. Δαι	n Tle	Leu	ı Asr	va.	l Ala	a Phe	e Thi	110	e Ile	e Phe	e Thi	Leu
	2850) . al.	. Mod	J1. - T14	J T.O.	1 LVS	Leu	ı Met	: Ala	a Ph	e Ly:	s Ala	Arg	g Gl	у Ту:	r Phe	e Gly
	2853	, GII	1 Me) 1	5 DC	u		535	5				540	0			_
	2854	ł 7 3	530	J Dura	- λe	n Val	Phe	Ası	o Ph	e Le	u Il	e Vai	LIle	e Gl	y Se	r Ile	e Ile 560
	2857	AS	e b bro	ן דדן	, ns.	11 14.	550)	•			55	5				560
	2858	3 54) - 175	1 т1	م T م	11 Se1	r Gli	1 Ile	e As	p Th	r Ph	e Lei	ı Al	a Se	r se	r Gl	y Gly 5
	2862	4	. m	~ C++	a To	ינם יום וו	v G1:	v Gl	v Cv	s Gl	y As	n Va	l As	p Pr	o As	p Gl	u Ser
	2860	b		~ T1	20	r Co	r 101:	a Ph	e Ph	e Ar	q Le	u Ph	e Ar	g Va	1 Me	t Ar	g Leu
	287	U 2 -7-7	_ T	יב בי	J N T.∧	CA	r Ar	α Al	a Gl	u Gl	y Va	l Ar	g Th	r Le	u Le	u Tr	p Thr
					и ве	u De		61	5		-		62	0			
	287	4	61	V				01	_								

DATE: 01/15/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/029,413 TIME: 07:55:36

Input Set : A:\ES.txt

											•		.	.	T1.	17 n 1
2877	Phe	Ile	Lys	Ser	Phe	Gln	Ala	Leu	Pro	Tyr	Val	Ala	Leu	Leu	me	Val
0070	COF					630					033					040
2878	Met	Leu	Phe	Phe	Ile	Tyr	Ala	Val	Ile	Gly	Met	GIn	Met	Pne	GIA	ьys
2002					615					ชวบ					055	
2882	Ile	Ala	Leu	Val	Asp	Gly	Thr	Gln	Ile	Asn	Arg	Asn	Asn	Asn	Pne	GIN
0000				660					りりつ					0/0		
2886	Thr	Phe	Pro	Gln	Ala	Val	Leu	Leu	Leu	Phe	Arg	Cys	Ala	Thr	GTÄ	Glu
0000			675					680					000			
2890	Ala	Trp	Gln	Glu	Ile	Leu	Leu	Ala	Cys	Ser	Tyr	Gly	Lys	Leu	Cys	Asp
0004		$C \cap A$					645					700				
2894	Pro	Glu	Ser	Asp	Tyr	Ala	Pro	Gly	Glu	Glu	Tyr	Thr	Cys	Gly	Thr	Asn
0000	705					710					/ T O					, 20
2898	Phe	Ala	Tyr	Tyr	Tyr	Phe	Ile	Ser	Phe	Tyr	Met	Leu	Cys	Ala	Phe	Leu
2002					725					/30					133.	
2902	Val	Ile	Asn	Leu	Phe	Val	Ala	Val	Ile	Met	Asp	Asn	Phe	Asp	Tyr	Leu
2006				7/10					/45					750		
2906	Thr	Arq	Asp	Trp	Ser	Ile	Leu	Gly	Pro	His	His	Leu	Asp	Glu	Phe	Lys
2010			755					760					705			
2910	Ala	Ile	Trp	Ala	Glu	Tyr	Asp	Pro	Glu	Ala	Lys	Gly	Arg	Ile	Lys	His
2014		770					775					700				
2914	Leu	Asp	Val	Val	Thr	Leu	Leu	Arg	Arg	Ile	Gln	Pro	Pro	Leu	GLY	Phe
2010	705					790					/90					000
2918	Glv	Lvs	Phe	Cys	Pro	His	Arg	Val	Ala	Cys	Lys	Arg	Leu	Val	Gly	Met
2022					ี่ยกร					810					OIJ	
2925	Asn	Met	Pro	Leu	Asn	Ser	Asp	Gly	Thr	Val	Thr	Phe	Asn	Ala	Thr	Leu
2026				820					825					0.50		
2929	Phe	Ala	Leu	Val	Arg	Thr	Ala	Leu	Lys	Ile	Lys	Thr	Glu	GIY	Asn	Pne
2020			235					840					043			
2933	Glu	Gln	Ala	Asn	Glu	Glu	Leu	Arg	Ala	Ile	lle	Lys	Lys	Ile	Trp	гàг
2024		050					855					860				
2937	Arq	Thr	Ser	Met	Lys	Leu	Leu	Asp	Gln	Val	. Ile	Pro	Pro	IIe	GLY	Asp
2020	065					ี					8/3	1				000
2941	Asp	Glu	Val	Thr	Val	. Gly	Lys	Phe	Tyr	Ala	Thr	Phe	Leu	TTE	GIN	GIU
2042					ននទ					890	,				0,5	
2945	His	Phe	e Arg	Lys	Phe	Met	Lys	Arg	Gln	Glu	ı Glu	Tyr	Tyr	GTA	туг	Arg
2016				900					905)		•		210		
2949	Pro	Lys	Lys	Asp	Ile	val	. Glr	ı Ile	Gln	Ala	ı Gly	Leu	Arg	Thr	TTE	Glu
2050			0.15					920					920	,		
2953	Glu	ı Glü	ı Ala	Ala	Pro	Glu	ı Ile	e Cys	Arg	Thi	: Val	. Ser	. GTA	Asp	ьeu	Ala
2054		030	١				935	5				940	1			
2957	' Ala	Glu	ı Glu	ı Glu	Leu	ı Glu	ı Arg	g Ala	Met	. Val	L Glu	ı Ala	Ala	мет	. Glu	Glu 960
2050	0.45	:				950	1				900)				700
2961	. Gl ₃	7 I16	e Phe	Arg	Arg	J Thi	c Gly	y Gly	Let	ı Phe	e Gly	/ Gir	val	. Asp	ASI	Phe
2065	`				965	5				9/(J				913	
2965	Lei	ı Glu	ı Arg	Thi	Asr	ı Sei	r Lei	ı Pro	Pro	va.	L Met	. Ala	l Asi	1 GII	i Arg	Pro
2000	-			986	١				983)				フラし	,	
2969) Le	ı Glı	n Phe	e Ala	ı Glı	1 Ile	e Glu	ı Met	: G	Lu G	Lu Me	et Gl	u Se	er b	LO A	al Phe
2070	`		00'	τ				100) ()				Τſ	,05		
2973	3 Lei	ı Gl	ı As	sp Pl	ne Pi	ro Gi	ln A	sp I	ro l	arg '	rnr A	Asn I	ro	ьец	мта	r.a

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/029,413

DATE: 01/15/2002 TIME: 07:55:36

Input Set : A:\ES.txt

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1015
           1010
    2974
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                                            1035
                           1030
           1025
   2981 Asn His Ser Asn Ser His Val Phe Ser Ser Val His Tyr Glu Arg
                                            1050
                           1045
           1040
   2985 Glu Phe Pro Glu Glu Thr Glu Thr Pro Ala Thr Arg
                                                Gly Arg Ala
                                            <del>1065</del>
                            1060
           1055
    2986
E--> 2989 Leu Gly Gln Pro Cys Arg Val (Xaa Xaa Xaa Xaa Xaa
                                                Xaa Xaa Xaa
                                            1080
                            1075
           1070
    2990
Xaa Xaa Xaa
                                            1095
                            1090
           1085
    2994
Xaa Xaa Xaa
                            1105
           1100
    2998
1125
                            1120
           1115
    3002
1140
                            1135
           1130
    3000
1155
                            1150
           1145
    301/0
1170
                            1165
    301/4
           1160
E--> 301' Xaa Xaa Thr Gly Pro His Ser Lys Pro Cys Val Glu Met Leu Lys
                            1180
    3018 1175
    3021 Gly Leu Leu Thr Gln Arg Ala Met Pro Arg Gly Gln Ala Pro Pro
                                             1200
                            1195
           1190
    3022
    3025 Ala Pro Cys Gln Cys Pro Arg Val Glu Ser Ser Met Pro Glu Asp
                                             1215
                            1210
           1205
    3026
    3029 Arg Lys Ser Ser Thr Pro Gly Ser Leu His Glu Glu Thr Pro His
                                             1230
                            1225
           1220
    3030
    3033 Ser Arg Ser Thr Arg Glu Asn Thr Ser Arg Cys Ser Ala Pro Ala
                                             1245
                            1240
           1235
    3034
    3037 Thr Ala Leu Leu Ile Gln Lys Ala Leu Val Arg Gly Gly Leu Gly
                                             1260
                            1255
           1250
    3041 Thr Leu Ala Ala Asp Ala Asn Phe Ile Met Ala Thr Gly Gln Ala
                                             1275
                            1270
           1265
    3042
    3045 Leu Ala Asp Ala Cys Gln Met Glu Pro Glu Glu Val Glu Ile Met
                            1285
    3046
           1280
    3049 Ala Thr Glu Leu Leu Lys Gly Arg Glu Ala Pro Glu Gly Met Ala
                                             1305
                            1300
    3050
           1295
    3053 Ser Ser Leu Gly Cys Leu Asn Leu Gly Ser Ser Leu Gly Ser Leu
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                            1315
           1310
    3057 Asp Gln His Gln Gly Ser Gln Glu Thr Leu Ile Pro Pro Arg Leu
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           1325
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     5631 <212> TYPE: PRT
     5632 <213> ORGANISM: Homo sapiens
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     5636 Met Pro Thr Ser Glu Thr Glu Ser Val Asn Thr Glu Asn Val Ser Gly
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DATE: 01/15/2002 RAW SEQUENCE LISTING PATENT APPLICATION: US/10/029,413 TIME: 07:55:36

Input Set : A:\ES.txt

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5640 Glu Gly Glu Asn Arg Gly Cys Cys Gly Ser Leu Trp Cys Trp Trp Arg
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   5644 Arg Arg Gly Ala Ala Lys Ala Gly Pro Ser Gly Cys Arg Arg Trp Gly
                                 40
   5648 Gln Ala Ile Ser Lys Ser Lys Leu Ser Arg Arg Trp Arg Trp Asn
                              55
   5652 Arg Phe Asn Arg Arg Arg Cys Arg Ala Ala Val Lys Ser Val Thr Phe
   5656 Tyr Trp Leu Val Ile Val Leu Val Phe Leu Asn Thr Leu Thr Ile Ser
                      85
   5660 Ser Glu His Tyr Asn Gln Pro Asp Trp Leu Thr Gln Ile Gln Asp Met
                                     105
                  100
   5664 Pro Asn Lys Val Leu Leu Ala Leu Phe Thr Cys Glu Met Leu Val Lys
                                 120
   5668 Met Tyr Ser Leu Gly Leu Gln Ala Tyr Phe Val Ser Leu Phe Asn Arg
                              135
   5672 Phe Asp Cys Phe Val Val Cys Gly Gly Ile Thr Glu Thr Ile Leu Val
          130
                                             155
                          150
   5676 Glu Leu Glu Ile Met Ser Pro Leu Gly Ile Ser Val Phe Arg Cys Val
                                         170
                       165
   5680 Arg Leu Leu Arg Ile Phe Lys Val Thr Arg His Trp Thr Ser Leu Ser
                                     185
                   180
   5684 Asn Leu Val Ala Ser Leu Leu Asn Ser Met Lys Ser Ile Ala Ser Leu
                                  200
               195
   5688 Leu Leu Leu Phe Leu Phe Ile Ile Phe Ser Leu Leu Gly Met
                                                 220
                               215
    5692 Gln Leu Phe Gly Gly Lys Phe Asn Phe Asp Glu Thr Gln Thr Lys Arg
                                             235
                           230
    5696 Ser Thr Phe Asp Asn Phe Pro Gln Ala Leu Leu Thr Val Phe Gln Ile
                                          250
                       245
    5700 Leu Thr Gly Glu Asp Trp Asn Ala Val Met Tyr Asp Gly Ile Met Ala
                                      265
                   260
    5704 Tyr Gly Gly Pro Ser Ser Gly Met Ile Val Cys Ile Tyr Phe Ile
                                  280
                275
    5708 Ile Leu Phe Ile Cys Gly Asn Tyr Ile Leu Leu Asn Val Phe Leu Ala
                                                 300
                               295
    5712 Ile Ala Val Asp Asn Leu Ala Asp Ala Glu Ser Leu Asn Thr Ala Gln
                                              315
                           310
    5716 Lys Glu Glu Ala Glu Glu Lys Glu Arg Lys Ile Ala Arg Lys Glu
                                          330
                       325
    5720 Ser Leu Glu Asn Lys Lys Asn Asn Lys Pro Glu Val Asn Gln Ile Ala
                                      345
                    340
    5721
    5724 Asn Ser Asp Asn Lys Val Thr Ile Asp Asp Tyr Arg Glu Glu Asp Glu
E--> 5728 Asp Lys Asp Pro Tyr Pro Pro Cys Asp Val Pro Gly Met Val\intXaa Xaa
           390
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RAW SEQUENCE LISTING

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Input Set : A:\ES.txt

Output Set: N:\CRF3\01152002\J029413.raw

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410
                     405
425
                  420
    574L
440
    574b
455
                                            460
    5749
           450
475
                       470
E--> 5756 Xaa Xaa Pro Cys Arg Ile Arg Val Gly Cys His Lys Leu Ile Asn His
                                      490
                     485
    5760 His Ile Phe Thr Asn Leu Ile Leu Val Phe Ile Met Leu Ser Ser Ala
                                   505
                  500
    5764 Ala Leu Ala Ala Glu Asp Pro Ile Arg Ser His Ser Phe Arg Asn Thr
                               520
               515
    5768 Ile Leu Gly Tyr Phe Asp Tyr Ala Phe Thr Ala Ile Phe Thr Val Glu
                                             540
                            535
            530
    5772 Ile Leu Leu Lys Met Thr Thr Phe Gly Ala Phe Leu His Lys Gly Ala
                                         555
                         550
    5776 Phe Cys Arg Asn Tyr Phe Asn Leu Leu Asp Met Leu Val Val Gly Val
                                      570
                     565
    5780 Ser Leu Val Ser Phe Gly Ile Gln Ser Ser Ala Ile Ser Val Val Lys
                                   585
    5784 Ile Leu Arg Val Leu Arg Val Leu Arg Pro Leu Arg Ala Ile Asn Arg
                               600
               595
    5788 Ala Lys Gly Leu Lys His Val Val Gln Cys Val Phe Val Ala Ile Arg
                            615
            610
    5792 Thr Ile Gly Asn Ile Met Ile Val Thr Thr Leu Leu Gln Phe Met Phe
                         630
    5796 Ala Cys Ile Gly Val Gln Leu Phe Lys Gly Lys Phe Tyr Arg Cys Thr
                      645
    5800 Asp Glu Ala Lys Ser Asn Pro Glu Glu Cys Arg Gly Leu Phe Ile Leu
                                   665
                  660
     5804 Tyr Lys Asp Gly Asp Val Asp Ser Pro Val Val Arg Glu Arg Ile Trp
                                680
               675
     5808 Gln Asn Ser Asp Phe Asn Phe Asp Asn Val Leu Ser Ala Met Met Ala
                                             700
                            695
     5812 Leu Phe Thr Val Ser Thr Phe Glu Gly Trp Pro Ala Leu Leu Tyr Lys
                                          715
                         710
     5816 Ala Ile Asp Ser Asn Gly Glu Asn Ile Gly Pro Ile Tyr Asn His Arg
                                       730
                      725
     5820 Val Glu Ile Ser Ile Phe Phe Ile Ile Tyr Ile Ile Ile Val Ala Phe
                   740
                                   745
     5824 Phe Met Met Asn Ile Phe Val Gly Phe Val Ile Val Thr Phe Gln Glu
                                                 765
                                760
     5825
     5828 Gln Gly Glu Lys Glu Tyr Lys Asn Cys Glu Leu Asp Lys Asn Gln Arg
                                             7.80
     5832 Gln Cys Val Glu Tyr Ala Leu Lys Ala Arg Pro Leu Arg Arg Tyr Ile
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Use of n and/or Xaa has been detected in the Sequence Listing. Applanation is presented in the <220> to <223> fields of each sequence using n or X22.

RAW SEQUENCE LISTING DATE: 01/15/2002 PATENT APPLICATION: US/10/029,413 TIME: 07:55:36

Input Set : A:\ES.txt

5833	785					790					795					800
5836	Pro	Lys	Asn	Pro	Tyr	Gln	Tyr	Lys	Phe	Trp	Tyr	Val	Val	Asn	Ser	Ser
5837					805					810					812	
5840	Pro	Phe	Glu		Met	Met	Phe	Val	Leu	Ile	Met	Leu	Asn	Thr	ьeu	Cys
5841				820				_ •	825	_	30.4	Dh.	3.00	830	7] a	Mot
5844	Leu	Ala		Gln	His	\mathtt{Tyr}	Glu	Gln	Ser	Lys	мет	Pne	845	ASP	ніа	мес
5845			835	_		**- 1	Dh a	840	C1 **	Val	Dho	Thr	_	Glu	Met	Val
5848	Asp		Leu	Asn	мет	vaı	855	TIII	GIY	Val	FIIC	860	Vul	Olu	2300	,
5849 5852	T	850	17- 1	т10	715	Dho	0.3.3 T.37.5	Pro	T.VS	Glv	Tvr			Asp	Ala	Trp
5852 5853		ьуѕ	Val	116	Ата	870	цуз	110	ы		875			-		880
5856	Nen	Thr	Dhe	Δsn	Ser	Leu	Tle	Val	Ile	Gly		Ile	Ile	Asp	Val	Ala
5857					885					890					895	
5860	Leu	Ser	Glu	Ala	Lys	Pro	Thr	Glu	Ser	Glu	Asn	Val	Pro	Val	Pro	Thr
5861				900					905					910		
5864	Ala	Thr	Pro	Gly	Asn	Ser	Glu	Glu	Ser	Asn	Arg	Ile	Ser	Ile	Thr	Phe
5065			015					920					925			
5868	Phe	Arg	Leu	Phe	Arg	Val	Met	Arg	Leu	Val	Lys	Leu	Leu	Ser	Arg	GLY
5869		930					935					940				
5872	${\tt Glu}$	Gly	Ile	Arg	Thr	Leu	Leu	Trp	Thr	Phe	Ile	Lys	Ser	Phe	GIn	ALA
5873	945					950					955		Dha	т1 о	m	960
5876	Leu	Pro	\mathtt{Tyr}	Val	Ala	Leu	Leu	Ile	Ala	Met	Leu	Pne	Pne	ire	975	ALG
5877					965		_,	- 1	.	970		Mot	. A ra	- A an		
5880	Val	Ile	Gly	Met	Gln	Met	Pne	GTÄ	гàг	Val	Ата	Met	. Aly	Pob	ASII	11511
									೧೦೯					990		
5881	1	-1	•	980	3.00	A a n	7 an	Dho	985		r Dh			990		
5884	Gln	Ile		980 Arg	Asn	Asn	Asn	Phe	985 G1		r Ph		0 G1	990		al Leu
5884 5885			995	Arg				100	985 G1 0	n Th		e Pı	o Gl 10	n A 05	la V	al Leu
5884 5885 5888		Leu	995 Ph	Arg			a Th	100 r G	985 G1 0	n Th		e Pi	o Gl 10	n A 05	la V	al Leu
5884 5885 5888 5889	Leu	Leu 101	995 Ph 0	Arg e Ar	g Cy	s Ala	a Th 10	100 r G 15	985 Gl 0 1y G	n Th	la T	e Pi rp (0 Gl 10 31n .020	n A 05 Glu	la V Ile	al Leu Met
5884 5885 5888 5889 5892	Leu Leu	Leu 101 Ala	995 Ph 0 Cy 5	Arg e Ar s Le	g Cy: u Pr	s Ala	a Th 10 y Ly 10	100 r G 15 s L 30	985 Gl 0 1y G	n Th lu A Cys A	la T sp P	e Pi rp (ro (0 Gl 10 31n .020 31u	n A 05 Glu Ser	la V Ile Asp	al Leu Met Tyr
5884 5885 5888 5889 5892	Leu Leu	Leu 101 Ala	995 Ph 0 Cy 5	Arg e Ar s Le	g Cy: u Pr	s Ala	a Th 10 y Ly 10	100 r G 15 s L 30	985 Gl 0 1y G	n Th lu A Cys A	la T sp P	e Pi rp (ro (.sn I	co Gl 10 31n .020 31u .035 Phe	n A 05 Glu Ser	la V Ile Asp	al Leu Met Tyr
5884 5885 5888 5889 5892 5893 5896	Leu Leu Asn	Leu 101 Ala 102 Pro	995 Ph 0 Cy 5 Gl	Arg e Arc s Le y Gl	g Cyr u Pro u Gl	s Ala o Gla u Ty	a Th 10 y Ly 10 r Th	100 r G 15 s L 30 r C 45	985 Gl O ly G eu C	n Th Slu A Cys A	la T sp P er A	e Processon (10 31n .020 31u .035 Phe	n A 05 Glu Ser	la V Ile Asp Ile	al Leu Met Tyr Val
5884 5885 5888 5889 5892 5893 5896	Leu Leu Asn	Leu 101 Ala 102 Pro	995 Ph 0 Cy 5 Gl	Arg e Arc s Le y Gl	g Cyr u Pro u Gl	s Ala o Gla u Ty	a Th 10 y Ly 10 r Th	100 r G 15 s L 30 r C 45	985 Gl O ly G eu C	n Th Slu A Cys A	la T sp P er A	rp (ro (co G1 10 G1n .020 G1u .035 Phe .050	n A 05 Glu Ser	la V Ile Asp Ile	al Leu Met Tyr Val
5884 5885 5888 5889 5892 5893 5896 5897 5900	Leu Leu Asn Tyr	Leu 101 Ala 102 Pro 104 Phe	995 Ph 0 Cy 5 Gl 0 Il	Arg e Arc s Le y Gl e Se	g Cys u Pro u Gl r Ph	s Ala o Gl u Ty e Ty	a Th 10 y Ly 10 r Th 10 r Me	100 r G 15 s L 30 r C 45 t L	985 Gl O ly G eu C	n Th lu A lys A ly S lys A	la T sp P er A	rp (rro (co G1 10 31n .020 31u .035 Phe .050 Leu	n A 05 Glu Ser Ala	la V Ile Asp Ile Ile	al Leu Met Tyr Val Asn
5884 5885 5888 5889 5892 5893 5896 5897 5900	Leu Leu Asn Tyr	Leu 101 Ala 102 Pro 104 Phe	995 Ph 0 Cy 5 Gl 0 Il	Arg e Arc s Le y Gl e Se	g Cys u Pro u Gl r Ph	s Ala o Gl u Ty e Ty	a Th 10 y Ly 10 r Th 10 r Me 10 e Me	100 r G 15 s L 30 r C 45 t L 60	985 Gl O ly G eu C	n Th lu A lys A ly S lys A	la T sp P er A	rp (rro (100 Gl 31n .020 Glu .035 Phe .050 Leu .065	n A 05 Glu Ser Ala	la V Ile Asp Ile Ile	al Leu Met Tyr Val Asn
5884 5885 5888 5889 5892 5893 5896 5897 5900 5901	Leu Leu Asn Tyr	Leu 101 Ala 102 Pro 104 Phe 105 Phe	995 Ph 0 Cy 5 Gl 0 Il 5 Va	Arg e Arc s Le y Gl e Se l Al	g Cy: u Pro u Gl r Ph a Va	s Ala o Gl; u Ty e Ty	a Th 10 y Ly 10 r Th 10 r Me 10 e Me	100 r G 15 s L 30 r C 45 t L 60 t A	985 Gl 0 1y G eu C ys G	n Th Elu A Elys A Ely S Elys A	la T sp P er A la F	rp (rro (100 Gl 31n .020 Glu .035 Phe .050 Leu .065	n A 05 Glu Ser Ala Ile	la V Ile Asp Ile Ile Thr	Met Tyr Val Asn
5884 5885 5888 5892 5893 5896 5897 5900 5901 5904 5905 5908	Leu Asn Tyr Leu Asp	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0	Arg e Arc s Le y Gl e Se l Al	g Cy: u Pro u Gl r Ph a Va	s Ala o Gl; u Ty e Ty	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr	100 r G 15 s L 30 r C 45 t L 60 t A 75	985 Gl 0 1y G eu C ys G	n Th Elu A Elys A Ely S Eys A	la T sp P er A la F	e Pi	10 G1 10 G1	n A 05 Glu Ser Ala Ile	la V Ile Asp Ile Ile Thr	Met Tyr Val Asn
5884 5885 5888 5889 5892 5893 5896 5900 5901 5904 5905 5908	Leu Asn Tyr Leu Asp	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se	Arg e Arc s Le y Gl e Se l Al r Il	g Cy: u Pro u Gl r Ph a Va e Le	s Ala o Gl; u Ty e Ty l Il u Gl	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr	100 r G 15 s L 30 r C 45 t L 60 t A 75	985 Gl O ly G eu C eu C	n Th Elu A Elys A Ely S Eys A Asn P	la T sp P er A la F he A	e Programme (constitution) (constitu	10 G1 10 G1	n A 05 Glu Ser Ala Ile Leu	la V Ile Asp Ile Ile Thr	Met Tyr Val Asn Arg
5884 5885 5888 5892 5893 5896 5897 5900 5901 5904 5905 5908 5909 5912	Leu Asn Tyr Leu Asp	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 108	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 5 Se	Arg e Arc s Le y Gl e Se l Al r Il	g Cy: u Pro u Gl r Ph a Va e Le	s Ala o Gl; u Ty e Ty l Il u Gl	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr 10 p Pr	100 r G 15 s L 30 r C 45 t L 60 t A 75 c B	985 Gl O ly G eu C eu C	n Th Elu A Elys A Ely S Eys A Asn P	la T sp P er A la F he A	e Process of the last of the l	10 G1 31n .020 31u .035 Phe .050 Leu .065 Tyr .080 31u .095	n A 05 Glu Ser Ala Ile Leu	la V Ile Asp Ile Ile Thr	Met Tyr Val Asn Arg
5884 5885 5888 5892 5893 5896 5897 5900 5901 5904 5905 5908 5909 5912	Leu Asn Tyr Leu Asp	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 108 Trp	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 5 Se	Arg e Arc s Le y Gl e Se l Al r Il r Gl	g Cysuu Prou Gland Pha Vale Le	s Ala o Gl; u Ty e Ty l Il u Gl	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr 10 p Pr	100 r G 15 s L 30 r C 45 t L 60 t A 75 e 90 00 00	985 Gl O ly G eu C ys G eu C	n Th Elu A Elys A Elys A Asn P His I	la T sp P er A la F he A	e Process of the last of the l	10 G1 10 G1	n A 05 Glu Ser Ala Ile Leu Phe	la V Ile Asp Ile Ile Thr Lys	Met Tyr Val Asn Arg Arg
5884 5885 5888 5892 5893 5896 5897 5900 5901 5904 5905 5908 5909 5912 5913 5916	Leu Asn Tyr Leu Asp Ile Leu	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 108 Trp 110 Asp	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 5 Se 0 Va	Arg e Arc s Le y Gl e Se l Al r Il r Gl	g Cysuu Prou Gland Pha Vale Le	s Ala o Gl; u Ty e Ty l Il u Gl	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr 10 p Pr 11 u Le	100 r G 15 s L 30 r C 45 t L 60 t A 75 90 00 84	985 Gl O ly G eu C ys G eu C	n Th Elu A Elys A Elys A Asn P His I	la T sp P er A la F he A	e Process of the last of the l	10 G1 31n .020 G1u .035 Phe .050 Geu .065 Tyr .080 G1u .095 Arg	n A 05 Glu Ser Ala Ile Leu Phe	la V Ile Asp Ile Ile Thr Lys	Met Tyr Val Asn Arg Arg
5884 5885 5888 5892 5893 5896 5897 5900 5901 5904 5905 5908 5909 5912 5913 5916 5917	Leu Asn Tyr Leu Asp Ile Leu	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 108 Trp 110 Asp	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 5 Se 0 Va 5	Arg e Arc s Le y Gl e Se l Al r Il r Gl l Va	g Cysu Prou Glar Pha Vale Le u Ty	s Ala o Gl; u Ty e Ty l Il u Gl r As	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr 11 u Le	100 r G 15 s L 30 r C 45 t L 60 t A 75 E 90 60 80 80 80 80 80 80 80 80 80 80 80 80 80	985 Gl O ly G eu C sp A (is F Glu A	n Th Elu A Elys A Elys A Asn P His I Ala I	sp Per Ala Fen	e Process of the last of the l	10 Gl 10 10 31 n 1020 31 u 1050 52 u 1065 7 yr 1080 31 u 1095 1110 2 ro 1125	n A 05 Glu Ser Ala Ile Leu Phe Ile	la V Ile Asp Ile Ile Thr Lys Lys	Met Tyr Val Asn Arg Arg His
5884 5885 5888 5899 5892 5893 5896 5901 5904 5905 5908 5909 5912 5913 5916 5917 5920	Leu Asn Tyr Leu Asp Ile Leu Phe	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 110 Asp 111 Gly	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 5 Se 0 Va 5 Ly	Arg e Arc s Le y Gl e Se l Al r Il r Gl l Va	g Cysu Prou Glar Pha Vale Le u Ty	s Ala o Gl; u Ty e Ty l Il u Gl r As	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr 11 u Le 11 o Hi	1000 r G G A A A A A A A A A A A A A A A A A	985 Gl O ly G eu C sp A (is F Glu A	n Th Elu A Elys A Elys A Asn P His I Ala I	sp Per Ala Fen	e Process of the last of the l	10 G1 31n .020 G1u .035 Phe .050 Geu .065 Tyr .080 G1u .095 Arg .1110 Pro	n A 05 Glu Ser Ala Ile Leu Phe Ile	la V Ile Asp Ile Ile Thr Lys Lys	Met Tyr Val Asn Arg Arg His
5884 5885 5888 5889 5892 5893 5896 5901 5904 5905 5908 5909 5912 5913 5916 5917 5920 5921	Leu Asn Tyr Leu Asp Ile Leu Phe	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 110 Asp 111 Gly 113	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 0 Va 5 Ly	Arg e Arg s Le y Gl e Se l Al r Il r Gl l Va	g Cy: u Pro u Gl r Ph a Va e Le u Ty l Th u Cy	s Ala o Gl; u Ty e Ty l Il u Gl r As r Le s Pr	a Th 10 y Ly 10 r Th 10 r Me 10 e Me 10 y Pr 11 u Le 11 o Hi	100 r G 15 s L 30 r C 45 t L 60 t A 75 H 90 G 90 S 20 A 20 A 35	985 Gl O ly G eu C ys G eu C sp A is F ilu A	n The lu Arys Arsh Phis I	sp Per Ala Per	e Process of the last of the l	10 G1 10 G1 1020 G1u 1035 Phe 1050 Geu 1065 Gyr 1080 G1u 1095 Arg 1110 Pro 1125 Lys	n A 05 Glu Ser Ala Ile Leu Phe Ile Pro	la V Ile Asp Ile Ile Thr Lys Lys Leu Leu	Met Tyr Val Asn Arg His Gly Val
5884 5885 5888 5889 5892 5893 5896 5897 5900 5901 5904 5905 5908 5912 5913 5916 5917 5920 5921 5924	Leu Asn Tyr Leu Asp Ile Leu Phe	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 110 Asp 111 Gly 113 Met	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 0 Va 5 Ly 0 As	Arg e Arc s Le y Gl e Se l Al r Il r Gl l Va	g Cy: u Pro u Gl r Ph a Va e Le u Ty l Th u Cy	s Ala o Gl; u Ty e Ty l Il u Gl r As r Le s Pr	a Th 10 y Ly 10 r Th 10 r Me 10 y Pr 10 p Pr 11 u Le 11 o Hi u As	100 r G 15 s L 30 r C 45 t L 60 t A 75 H 90 G 90 S 20 A 20 A 35	985 Gl O ly G eu C ys G eu C sp A is F ilu A	n The lu Arys Arsh Phis I	sp Per Ala Per	e Process of the latest the latest tensor to the latest tensor te	10 G1 10 G1 10 G1 10 G1 10 G1 10 G1 10 G1 10 G1 10 G1 10 G1 11 G1	n A 05 Glu Ser Ala Ile Leu Phe Ile Pro Arg	la V Ile Asp Ile Ile Thr Lys Lys Leu Leu Phe	Met Tyr Val Asn Arg His Gly Val Asn
5884 5885 5888 5889 5892 5893 5896 5900 5901 5904 5905 5908 5909 5912 5913 5916 5917 5920 5921 5924 5925	Leu Asn Tyr Leu Asp Ile Leu Phe	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 110 Asp 111 Gly 113 Met	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 0 Va 5 Ly 0 As	Arg e Arg s Le y Gl e Se l Al r Il r Gl l Va s Le n Me	g Cy: u Pro u Gl r Ph a Va e Le u Ty l Th u Cy t Pr	s Alaba Gly Land Gly	a Th 10 y Ly 10 r Th 10 r Me 10 y Pr 10 p Pr 11 u Le 11 u As	1000 r G G A A A A A A A A A A A A A A A A A	985 Gl O ly G eu C sys G eu C seu C seu C	n The lu Arys Arsh Park I Arys I Arsh Park I Arg I Arg I Arsh Park I Arsh Park I Arg I Arsh Park I Ars	la T sp P er A la F he A eu A ila C ila C	e Process of the latest the lates	CO G1 10 31n 1020 31u 1035 320 1050 31u 1065 31u 1095 31rg 1110 2ro 1125 Lys 1140 Val	n A 05 Glu Ser Ala Ile Leu Phe Ile Pro Arg	la V Ile Asp Ile Ile Thr Lys Lys Leu Leu Phe	Met Tyr Val Asn Arg His Gly Val Asn
5884 5885 5888 5889 5892 5893 5896 5897 5900 5901 5904 5905 5908 5912 5913 5916 5917 5920 5921 5924	Leu Asn Tyr Leu Asp Ile Leu Phe Ala	Leu 101 Ala 102 Pro 104 Phe 105 Phe 107 Trp 110 Asp 111 Gly 113 Met	995 Ph 0 Cy 5 Gl 0 Il 5 Va 0 Se 5 Se 0 Va 5 Ly 0 As	Arg e Arg s Le y Gl e Se l Al r Il r Gl l Va s Le n Me	g Cy: u Pro u Gl r Ph a Va e Le u Ty l Th u Cy t Pr	s Alaba Gly Land Gly	a Th 10 y Ly 10 r Th 10 r Me 10 y Pr 10 p Pr 11 u Le 0 Hi u Ass u Va	1000 r G G A A A A A A A A A A A A A A A A A	985 Gl O ly G eu C sys G eu C seu C seu C	n The lu Arys Arsh Park I Arys I Arsh Park I Arg I Arg I Arsh Park I Arsh Park I Arg I Arsh Park I Ars	la T sp P er A la F he A eu A ila C ila C	e Process of the latest the lates	CO G1 10 31n 1020 31u 1035 2he 1050 Eeu 1065 31u 1095 Arg 1110 2ro 1125 Lys 1140 Val	n A 05 Glu Ser Ala Ile Leu Phe Ile Pro Arg	la V Ile Asp Ile Ile Thr Lys Lys Leu Leu Phe	Met Tyr Val Asn Arg His Gly Val Asn

RAW SEQUENCE LISTING DATE: 01/15/2002 PATENT APPLICATION: US/10/029,413 TIME: 07:55:36

Input Set : A:\ES.txt

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5933 5936	Lvs	1175 Lys	Ile	Trp	Lys	Lys	Thr	Ser	Met	Lys	Leu		Asp	Gln	Val
5937	_10	1190					1195					1200			
	Val	Pro	Pro	Ala	Gly	Asp		Glu	Val	Thr	Val	Gly	Lys	Phe	Tyr
5941		1205					1210	_	-1	•	T	1215	Trra	TTC	A ra
5944	Ala	Thr	Phe	Leu	Ile	Gln		Tyr	Phe	Arg	гàг	1230	гуѕ	Lys	AIG
5945		1220		_	_	1	1225	T	Ш	Dwo	λla		λen	Thr	Thr
	Lys	Glu	Gln	Gly	Leu	Val	1240	гаг	тут	PIO	Ала	1245	ASII	1111	1111
5949	~1 .	1235	T 0	c1n	лla	C137		Δrσ	Thr	Leu	His	Asp	Ile	Gly	Pro
	TTE	Ala 1250	Leu	GIII	нта	GLY	1255	111 9				1260		-	
5953	Clu	Ile	Δrσ	Ara	Ala	Ile		Cys	Asp	Leu	Gln	Asp	Asp	Glu	Pro
5057		1265					1270					12/5			
5960	Glu	Glu	Thr	Lys	Arq	Glu	Glu	Glu	Asp	Asp	Val	Phe	Lys	Arg	Asn
5961		1280					1285					1290			
5964	Glv	Ala	Leu	Leu	Gly	Asn	His	Val	Asn	His	Val	Asn	Ser	Asp	Arg
5965		1295					1300					1300		_	** *
5968	Arg	Asp	Ser	Leu	Gln	Gln	Thr	Asn	Thr	Thr	His	Arg	Pro	Leu	HIS
5060		1310					1315					1320	a1	T	Dro
5972	Val	Gln	Arg	Pro	Ser	Ile	Pro	Pro	Ala	Ser	Asp	Thr	GIU	гаг	PIO
5973		1225					1330					T333			
5976	Leu	Phe	Pro	Pro	Ala	Gly			vaı	Cys	HIS	Asn 1350	птэ	птэ	ASII
5977		1340					1345	17.0 1	Dwo	mh×-	cor		Δen	Δla	Asn
				IIe	GIY	ьуs	1360		PIO	1111	SET	Thr 1365	ASII	1114	11011
5981	_	1355 Asn		31-	7	Wot	1300	T.vc	λla	Δla	His			Ara	Pro
				Ala	ASII	мес	1375	пуз	ALU	mu	1110	1380	-1-		
5985		1370 : Ile	C137	λan	T.011	Glu	His	Val	Ser	Glu	Asn		His	His	Ser
5988 5989		1385		ASII	пси	O.L.	1390	,				1395			
5000		His	Lvs	His	Asp	Arq			Gln	Arg	Arg	Ser	Ser	Val	Lys
5993		1400					1405					1410			
5996	Ara	Thr		Tyr	Tyr	Glu	Thr	Tyr	Ile	Arg	Ser	Asp		Gly	Asp
5997	,	1415					1420					1425		•	~ 1
6000	Glu	Gln	Leu	Pro	Thr	`Ile	Cys	Arg	Glu	Asp	Pro	Glu		His	Gly
6001		1430					1435	1				1440		Dho	Ser
6004	Tyr	Phe		Asp	Pro	His			GIY	Glu	GII	Glu 1455	_	Pne	Ser
6005	5	1445			_		1450			Cor	Dro			Ser	Arg
		Glu				GIU	ASP	ASP	ser	. 561	PIO	1470	_	OCI	*** 5
6009)	1460			. m		1465) Ara	r П'377	· Dro	Glv			Ile	Asp
		Asn	туг	GIA	туг	Tyt	1480	HIY	1 1 1 1	. FIC	, or	1485	;		
6013	3 - a	1475 Glu) 70 m m	Dro	λro	C13	ተፈርር	Ніс	His	Pro	Gln			Leu	Glu
		1490		PIC	, AIG	, Gry	1495	; ;				1500)		
6017	')	Asp	, Δer	Ser	· Pro	val			Asr	ser	Arg	Arg	Ser	Pro	Arg
6021	ì	1505	;				1510)				TOTE)		
602	ı 1 Arc	J Arg	Leu	ı Lei	ı Pro	Pro			Ala	a Ser	His	arg	Arg	ser ser	Ser
6025	5	1520)				1525)				1330	,		=
6028	B Phe	e Asn	Phe	e Glu	і Суя	. Lei	ı Arg	Arg	g Glr	n Ser	Ser	Gln	Glu	ı Glu	ı Val

RAW SEQUENCE LISTING

DATE: 01/15/2002 TIME: 07:55:36

PATENT APPLICATION: US/10/029,413

Input Set : A:\ES.txt Output Set: N:\CRF3\01152002\J029413.raw

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6029		1535		_	-1 -	nh -	1540 Pro	uic	λησ	Thr	Ala		Pro	Leu	His
	Pro		Ser	Pro	TTE	Pne	1555	птэ	AIG	1111		1560			
6033		1550		-1	a1	T1.	Met	7 l a	Val	Δla	Glv		Asp	Ser	Ser
			GIn	GIn	GIN	TTE	1570	Ата	Val	111u	0-1	1575			
6037		1565				002	Pro	Car	uic	Ser	Thr	Arq	Ser	Trp	Ala
	Lys		GIn	ьys	TAL	ser	1585	JCI	пто	002		1590		_	
6041	1	1580	D	212	шhх	Dro	Pro	Tvr	Ara	Asp	Trp	Thr	Pro	Cys	Tyr
			Pro	Ald	THI	PIO	1600	- I -	1119			1605			
6045		1595	.	T10	Cln	1/2 l	Glu	Gln	Ser	Glu	Ala	Leu	Asp	Gln	Val
			Leu	rre	GTII	vai	1615	0111	001			1620	_		
6049		1610	Com	Tou	Dro	Sor	Leu	His	Arα	Ser	Ser	Trp	Tyr	Thr	Asp
		1605					1630					TOJJ			
6053	a 1	1625	7 an	Tla	Sar	Tur	Arg	Thr	Phe	Thr	Pro	Ala	Ser	Leu	Thr
		1 (1)					1645					T020			
6057	3701	1040 Dro	Cor	Ser	Phe	Ara	Asn	Lys	Asn	Ser	Asp	Lys	Gln	Arg	Ser
		1000					1660					T002			
0001	712	7 CD	Sar	Leu	Val	Glu	Ala	Val	Leu	Ile	Ser	Glu	Gly	Leu	Gly
		1 (70					16/5					T000			
6063	λνα	TOTO	Δla	Ara	Asp	Pro	Lys	Phe	Val	Ser	Ala	Thr	Lys	His	Glu
6060		1695					1690					TODO			
6072	T1_	Δla	Asp	Ala	Cvs	Asp	Leu	Thr	Ile	Asp	Glu	Met	Glu	Ser	Ala
6070		1700					1/05					1/10			_ •
6075	Δla	Ser	Thr	Leu	Leu	Asn	Gly	Asn	Val	Arg	Pro	Arg	Ala	Asn	GTĀ
		1715					1720					1/20			
6080	Asp	Val	Gly	Pro	Leu	Ser	His	Arg	Gln	Asp	Tyr	Glu	Leu	Gln	Asp
		1711					1735					1/40			
6084	Phe	Glv	Pro	Gly	Tyr	Ser	Asp	Glu	Glu	Pro	Asp	Pro	Gly	Arg	Asp
C 0 0 F		1715					1750					1/3/			
6088	Glu	Glu	Asp	Leu	Ala	Asp	Glu	Met	: Ile	Cys	Ile	Thr	Thr	Leu	
6089		1760					1765	i				1770)		

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,413

DATE: 01/15/2002 TIME: 07:55:38

Input Set : A:\ES.txt .

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L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
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L:2176 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:2196 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:2209 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:2238 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:8
\texttt{L:2263~M:341~W:} (46) "n" or "Xaa" used, for SEQ ID#:8
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L:2654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2658 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:2729 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:10
M:340 Repeated in SeqNo=10
L:5246 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5247 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
```

VERIFICATION SUMMARY

DATE: 01/15/2002

PATENT APPLICATION: US/10/029,413

TIME: 07:55:38

Input Set : A:\ES.txt

Output Set: N:\CRF3\01152002\J029413.raw

L:5255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5258 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5266 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5267 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5728 M:340 E: (46) "n" or "Xaa" used, for SEQ ID#:15
L:5728 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
M:340 Repeated in SeqNo=16
L:9466 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:23
L:9496 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25